



University of Ruhuna - Faculty of Medicine

Allied Health Sciences Degree Programme

B.Sc. Nursing Degree Programme

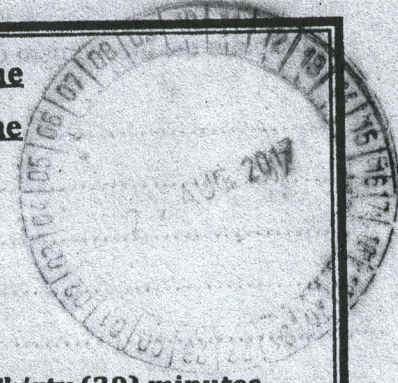
1st End Semester Examination

NPH 1122- Physiology I

SEQ paper Part A

11th August 2017

Duration: Thirty (30) minutes



Index Number

1.

1.1. What is heart failure?

(10 marks)

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1.2. State three (3) different types of classifications of heart failure.

(15 marks)

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1.3. State three (3) signs that can be observed in a patient with right heart failure. (15 marks)

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24 AUG 2017
Faculty of Medicine, University of Ruhuna

1.4. Explain the mechanism of development of one of the signs stated above. (20 marks)

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1.5. List four (4) causes of secondary hypertension. (20 marks)

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1.6. List four (4) complications of untreated hypertension. (20 marks)

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1.7. State three (3) signs that can be observed in a patient with right heart failure. (3 marks)



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Duration: Thirty (30) minutes

Index Number

1.

1.1 List four (04) functions of plasma proteins.

(12 marks)

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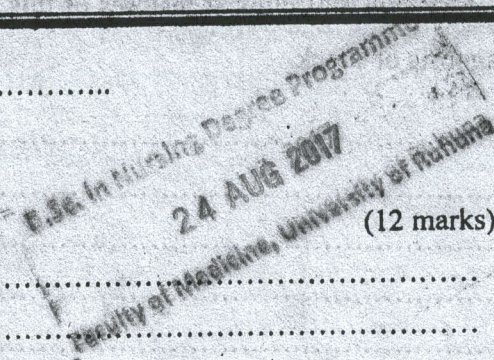
1.2 List two (2) causes of albumin deficiency.

(08 marks)

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1.3 Explain this statement physiologically "Blood is a good transport medium of oxygen and carbon dioxide in the body." (30 marks)

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1.4 A patient was admitted to the hospital with multiple injuries following a road traffic accident. The nurse called the doctor and informed that the patient is in shock.

1.4.1 List four (04) clinical features of this patient that the nurse would expect to support the diagnosis of shock. (20 marks)

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1.4.2 Mention one immediate action the nurse would take to save the patient, if the doctor is busy with another patient. (05 marks)

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1.4.3 Few hours later doctors decide to give a blood transfusion to this patient. Patient's blood group is A positive. As the A positive blood is not available, doctor asks for O negative blood. Explain physiologically "although unmatched blood transfusions are dangerous, why is it possible to give O negative blood to this patient with A positive blood". (25 marks)

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SEQ paper Part C

11th August 2017

Duration: Thirty (30) minutes

031

Index Number

1.

1.1.State three (3) functions of saliva with specific compounds present in saliva to perform the above mentioned functions? (10 Marks)

1.2.State five (5) functions of the stomach. (10 Marks)

1.3.State a hormone secreted by stomach with two of its functions. (10 Marks)

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1.4. Briefly describe three (3) types of gastrointestinal contractions and their specific functions (20 Marks)

1.5. Briefly describe the role of bile salts in gastrointestinal system (20 Marks)

1.6. Briefly describe the defecation reflex. (30 Marks)
